| Sta No: \$80629. ] Logged [/] Acc No: 385045 RH No: 2419   |
|--|
| ANW ANE ASM ASE MED INN INE ISM ISC ISE INN INE ISM ISC ISE PNW PNE PSW PSE Loc-0: A/A-O Loc-1:  |
| Loc-3:<br>Loc-4:   |
| L/L: 273000000000000000000000000000000000000   |
| Gear: meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m):   |
| S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant in-shock narc unprocessed  Lots:30ml Pres: carosafe formalin alcohol 60ml Pres: carosafe formalin alcohol vial Pres: carosafe formalin alcohol  Col: R.Niggins and/or |
| Date: 22' 500' 19 56  Hab-1: sediment animal plant  Hab-2:   |
| Raks: Semnoderes Spuncula<br>Entoproeta, aplacophora<br>Castataecha, cumacea   |
| Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Meocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:            |

Sta No: 890605.3 Logged [ ] Acc No: 385045 RH No: 2421 ANW ANE (ASW) ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: 1/140 Loc-1: Loc-2: FLA Loc-3: Loc-3: Loc-4: 5 - Mile Size L/1: 27-30000140800170000 Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant fw-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol Z-vial Pres: carosate formalin alcohol Col: R. Niggins and/or f. Pordos S Challoson Date: 05^JUN^ 1989 Hab-1: sediment animal plant Hab-2: Ackn: Roks: Kingapana & Champea Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

Sta No: 8 9 0 60 7. 2 Logged [ J ACC No: 385045 RH No: 24 22 ANW ANE (ASW) ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW Loc-0: NAO Loc-1: (1SA Loc-2: CLA Loc-3: Pelanch Island, lake Coolly Loc-4: Sisse of Peanit L/L: 26, 47, - Nm 080 102 m-6 Gears seio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix formalin alcohol Proc: bubble decant fw-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol Z-vial Pres: carosate formalin alcohol Col: R. Higgins and/or f. Pardos, S. Chullesoin Date: 0 7 ^ 3 U N 19 8 9 Hab-1: (sediment) animal plant Hab-2: Ackn: - was great ages which will also come ages ages ages and area also come ages ages with a sold and area ages and and area and and area and and area and and area and area. Raks: Lingshingha (-astronia Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

Logged [ / ] Sta No: ACC No: 383147 RH No: 2423 ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Vanda Pacalai Decan Loc-2: Prukuu ISIands. Loc-3: Okinawa, Minna Jima Loc-4: Central Lagoon Taland Mean Motora Jeninsu L/L: Bucket Gear: meio-dredge grab box-corer core other Zone-1: subtidal (intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant fw-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R-Higgins and for M. Grucies Date: 06 1 UN 1989 Hab-1: (sediment animal plant Hab-2: MULdd11-Samd Ackn: Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes JNeocentrophyes [ ]Pycnophyes [ ]Kinorhynchus Jundetermined [ Jother:

| ANW ANE ASW ASE MED INW INE ISW ISC ISE   |
|---|
| INW INE ISW ISC ISE PNW PNE PSW PSE   |
| Loc-1:  |
| Loc-2: Alaska   |
| Loc-3: Juneau Alaska, Auke Bay  |
| LOC -41 and   |
| L/L: 58^22^1!N^^134^40^40   |
| Gears meio-dredge grab box-corer core other   |
| Zone-1: subtidal intertidal Horiz (rm):<br>Zone-2: oceanic estuarine Dupth (m): 50  |
| Zone-2: oceanic estuarine Dupth (m): 50   |
| S (ppt): T (C): Fixt formalin alco  |
| Proc: bubble decant fw-shock narc unprocesse Lots:30ml Prem: carosafe formalin alco   |
| 60ml Pres: carosafe formalin alco   |
|   |
| Col: R. Higgins and/or  |
| Date: 03^50 L ^ 19 8-9  |
| Hab-1: sediment animal plant  |
| Hab-2: proven med   |
| Ackn: Don Erickson (R/V MAYBESO) Tom Shirley, John  |
| Raks: Lynnette Mc Nutt  |
|   |
| Serial directions dated while these three |
|   |
| Obs: [ ]Gymnoderes [X]Echinoderes [ ]Condyloder   |
| [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes   |
| [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophye  |
| F THermodern F Thursday F This - Land   |
| [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchu  |

40.2 40.2

| Sta No: 890703.5 Logged [ ] Acc No: 386583 RH No: 2425   |
|--|
| ANN ANE ASW ASE MED INW INE ISW ISC ISE  INW INE ISW ISC ISE PNW PNE PSW PSE  Loc-0:   |
| Loc-2:  Loc-4:    Color   Colo |
| L/Ls 58 A 2 1 A 2 1 A 2 1 A 2 1 A 2 1 A 2 1 A 2 1 A 2 1 A 2 1 A 2 A 2  |
| Gear: meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 20  S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fw-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol  |
| Col: R. Niggins and/or Date: 23 ^3 4   |
| Ackn: see 890703.1  Raks: meiodredge clamaged on rock.  Sample volume = 2 liters only:   |
| Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:  |

. .

Keith weiland

She McGregor

| Sta No: 8 907 07 . Logged [] ]  |
|---|
| ACC NO: 386533  RH No: 2426  Chart Kinks  |
| ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1: Loc-2: Gett of Racka                              |
| Loc-3: Yakutat Bay<br>Loc-4: Mondi Bay: Yakutat AK  |
| The first data data and and and and and and and and and an  |
| Gear: meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 50               |
| S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: 1-30ml Pres: carosafe formalin alcohol            |
| 60ml Pres: carosafe formalin alcoholvial Pres: carosafe formalin alcohol  |
| Col: R. Wiggins and/or Date: 07^JUL ^ 19 89   |
| Hab-1: sediment animal plant Hab-2: brown mud   |
| Ackn: Keith Weiland, Sue McGregor Raks:   |
|   |
| Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes |
| [ ]Neocentrophyes   |
|   |

Logged [ / ] Sta No: 890708. L Acc Nos 326523 RH No: 2427 ANN ANE ASW ASE MED INW INE 18W 18C ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: 1100, 6-2 A Loc-1: Loc-2: Godf of Alaska Loc-3: Yakutat Bay Loc-4: Snaw Cove, Yakutat AK L/L: \_\_ ^\_ \_ ^\_ \_ \_ ^\_ Gear: meio-dredge grab box-corer core other Zone-1: Subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 4 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant fw-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol \* -vial Pres: carosate formalin alcohol Col: R. Niggins and/or Date: 08 ^ JUL ^ 19 8-00 Hab-1: Sediment animal plant
Hab-2: brown mud with some hydrogen suffiche Ackn: see 890707.1 Raks: poor sample, bay shallow and isolated at low tide, few meesfacers, many distores. very thin oxidered layer Obs: [ ]Gymnoderes [X]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynch"-[ Jundetermined [ Jother:

Sta No: 890708.2 Logged [/ Acc No: 386533 RH No: 2428 ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW Loc-0: Loc-1: Loc-2: Gulf of Alaska Loc-3: Yakutak Buy LOC-4: E of Gilbert Spit, N. of crab Island L/L: ^ ^ ^ Gear: weio-dredge grab box-corer core other Zone-1: Subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 30 S (ppt): \_\_\_ T (C): \_\_\_ Fixe formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: / -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Niggins and/or Date: 08 146 1989 Hab-1: sediment animal plant Hab-2: prown musel Ackn: see 890707.1 Raks: gaetrotvick in same vial Obs: [ ]6ymnoderes [X]Echinoderes [X]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes INeocentrophyes [ SPycnophyes [ Skinorhynchus [ ]undetermined [ ]other:

|   | Acc No: 3 8 6 5 2 3  RH No: 2 4 2 9  |
|---|--|
|   | ANN ANE ASN ASE MED INN INE ISN ISC ISE INN INE ISN ISC ISE PNN PNE PSN PSE Loc-0: Loc-1: Loc-2: Gulf of Maska   |
|   | LOC-3: Yakutak Bay  LOC-4: Abduck Bay  |
| 0 | L/L3  The same man was date with about the same same same same and about the same same same same same same same sam  |
|   | Gears meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 36  |
|   | S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fw-shock narc unprocessed  Lots: /-30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol |
|   | Col: R. Niggins and/or Date: 08 ^ Jul ^ 1989   |
|   | Hab-1: sediment animal plant Hab-2: brown much   |
|   | ACKN: SEC SECOTION.  The special control was also and  |
|   | Obs: [ ]Gymnoderes [ X]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes   |
|   | [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:  |

|  | Sta No: 896717. Logged [/] Acc No: 886523   |
|--|---|
|  | RH No: 2434   |
|  | ANW ANE ASW ASE MED INW INE ISW ISC ISE  INW INE ISW ISC ISE PNW PNE PSW PSE  Loc-0:  Loc-1:  |
| · ·  | Loc-2:  |
|  | Loc-3: Botween Price and Swindell Island, BC  |
|  | Loc-4: Hading Passage   |
|  | L/L: 52^28^50 N^129^44^300  |
|  | Gears meio-dredge grab box-corer core other   |
|  | Zone-1: (subtidal ) intertidal Horiz (cm):  |
|  | Zone-2: oceanic estuarine Depth (m): 10   |
|  | S (ppt): I(C): Fix: formalin alcohol  |
|  | Proc: bubble decant in-shock narc unprocessed   |
|  | Lots: 1-30ml Pres: carosafe formalin alcohol  |
|  | 1-60ml Pres: carosafe formalin alcohol  |
|  | -vial Pres: carosate formalin alcohol   |
|  | Col: R. Niggins and/or Date: 17 ^JUL ^ 1989   |
| and the same of th | Hab-1: sediment animal plant  |
| R. M. Carlotte   | Hab-2: Wellow Drown (Harmen) & Magne + Silf   |
|  | Ackna San 2007 A. /   |
|  | Raks: Lessed Like Critica (weter doubten en onto  |
|  |   |
|  |   |
|  |   |
| grant them   | Ohen C 10 mandana C 10 mbinatana C 10 mbinatana   |
|  | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes   |
|  | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes   |
|  | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus |
| # .<br># .<br>#  | [ ]undetermined [ ]other:   |
|  | r annaenermen e antherr   |

|                                       | Sta No: 8 9 0 2 1 2 . 3 Logged [/] Acc No: 3 5 6 5 2 2 Logged [/] RH No: 2 4 3 6 |
|---------------------------------------|--|
|                                       |  |
|                                       | ANW ANE ASW ASE MED INW INE ISW ISC ISE  |
|                                       | INW INE ISW ISC ISE PNW PNE PSW PSE  |
| , , , , , , , , , , , , , , , , , , , | Loc-1:   |
|                                       | Loc-2:   |
|                                       | Loc-3: Principe Channel, Pitt Islamed  |
|                                       | Loc-4: Buchan me   |
|                                       | L/L: 53 ^22 ^30 N ^^ 1 29 ^26 ^00 W  |
|                                       |  |
|                                       | Gear: meio-dredge grab box-corer core other                                      |
|                                       | Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 30 |
|                                       | S (ppt): T (C): Fix: formalin alcohol  |
| 7                                     | Proc: bubble decant in-shock narc unprocessed                                    |
|                                       | Lots: 1-30ml Pres: carosafe formalin alcohol                                     |
|                                       | -60ml Pres: carosafe formalin alcohol  |
|                                       | vial Pres: carosafe formalin alcohol   |
|                                       | Col; R. Niggins, and/or  |
|                                       | Date: 17 ^ 3 4 - ^ 19 6 - 1  |
|                                       | Hab-1: sediment animal plant   |
|                                       | Hab-2: course w/ organie (tournin) floe  |
|                                       | Ackn: See_ 5907/4/   |
| •                                     | Raks:  |
|                                       |  |
|                                       |  |
| 31                                    |  |
|                                       |  |
|                                       | Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes                             |
|                                       | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                      |
|                                       | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                                    |
|                                       | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                  |
|                                       | [ ]undetermined [ ]other:  |

| Sta No: 890719. Logged [√<br>Acc No: 386583  |
|--|
| RH Ho: 2437  |
| ANW ANE ASW ASE MED INW INE ISW ISC ISE<br>INW INE ISW ISC ISE PNW PNE PSW PSE   |
| Loc-0:   |
| Loc-1:   |
| Loc-2:   |
| Loc-3: Dunder Stand BC   |
| Loc-4: Brundige Met  |
| L/L: 54.36.18/N-130.152.100  |
| Gear: weio-dredge grab box-corer core other  |
| Zone-1: subtidal intertidal Horiz (cm):  |
| Zone-2: oceanic estuarine Depth (m):   |
| S (ppt): T (C): Fix: formalin alcoho   |
| Proc: bubble decant in-shock narc unprocessed  |
| Lots:30ml Pres: carosafe formalin alcoho.  |
| 2-60ml Pres: carosafe formalin alcoho.   |
| -vial Pres: carosafe formalin alcoho. Col: R.Wiggins and/or  |
| Date: 18 ^ J u L ^ 19 C 7  |
| Hab-1: sediment animal plant   |
| Hab-2: The same of |
| Ackna en el  |
| Raks:  |
|  |
|  |
|  |

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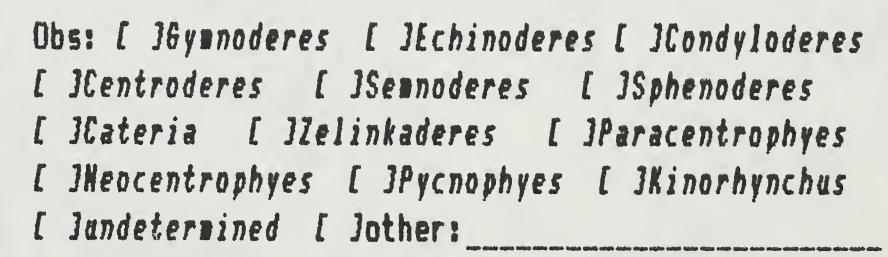
|   | Sta No: 890 120. 1 Logged [] Acc No: 286 523 RH No: 2440  |
|---|---|
|   | ANW ANE ASW ASE MED INN INE ISM ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1:   |
| 0 | Loc-2: Loc-3: Mc H-nry Anchorage Loc-4:   |
|   | L/L: 55.58 N. 13 1.36.30 W  |
|   | Gear: meio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 20  S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fw-shock narc unprocessed |
|   | Lots: 1-30ml Pres: carosafe formalin alcohol  1-60ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol  Col: R. Higgins and/or T. Shirley  |
|   | Date: ^ 19  |
|   | Hab-1: sediment animal plant Hab-2: Black mud   |
|   | Ackn: Rmks:   |
|   |   |
|   | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes   |
|   | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus   |
|   | [ ]undetermined [ ]other:   |

|              | Sta No: 896722.] Logged [] Acc No: 386533 RH No: 2442                          |
|--------------|--|
|              | ANW ANE ASW ASE MED INW INE ISW ISC ISE<br>INW INE ISW ISC ISE PNW PNE PSW PSE |
|              | Loc-0:   |
|              | Loc-1:   |
| 0            | Loc-2:   |
|              | Loc-3: Beecher's Pass  |
|              | LUL 71   |
|              | L/L: 56^36^== N^1/3 2^58^== w  |
|              | Gear: meio-dredge grab box-corer core other                                    |
|              | Zone-1: subtidal intertidal Horiz (cm):  |
|              | Zone-2: oceanic estuarine Depth (m): 15  |
|              | S (ppt): T (C): Fix: formalin alcohol  |
|              | Proc: bubble decant in-shock narc unprocessed                                  |
|              | Lots: 2-30ml Pres: carosafe formalin alcohol                                   |
|              | -60ml Pres: carosafe formalin alcohol  |
|              | -vial Pres: carosate formalin alcohol  |
|              | Col: R. Higgins and/or T. Shurley Date: ^ 19                                   |
| March a con- | Hab-1: sediment animal plant   |
|              | Hab-2: Shell Nash  |
|              | Ackn:  |
| ,            | Raks:  |
|              |  |
|              |  |
|              |  |
|              |  |
| ()           | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                              |
|              | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                    |
|              | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                                  |
|              | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                |
|              | [ ]undetermined [ ]other:  |

|   | Sta No: 132 - 5A. Logged [ \int Acc No: 386544  RH No: 2442   |
|---|---|
|   | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: South Atlantic Ocean Loc-1: Branch   |
| 0 | Loc-2: Pernambugo<br>Loc-3: Isanassu<br>Loc-4: Beach N. Of Recise   |
|   | L/L;^^  |
|   | Gear: meio-dredge grab box-corer core other  Lone-1: subtidal intertidal Horiz (cm): 5  Lone-2: oceanic estuarine Depth (m):  S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fm-shock narc unprocessed  Lots:30ml Pres: carosafe formalin alcohol |
|   | Ackn: Roks: Washings from Sand 4 algae  |
|   | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:   |

Sta No: 27-A. Logged [ / ] Acc No: 386525 RH No: 2443 ANW ANE ASW ASE MED INW INE ISW (ISC) ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: N. Pacific Ocean Salu Sea Loc-1: Philippines Loc-1: Philippines Loc-2: Negros Island Loc-3: Dunaquete Loc-4: L/L: \_\_\_^\_\_\_^\_\_\_\_\_^\_ Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: 1 -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Niggins and/or J. Nonenburg Date: 27-4PR-1989 Hab-1: sediment animal plant Hab-2: Ackn: SOSC-PHIL89 Raks: Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ] Neocentrophyes [ ] Pycnophyes [ ] Kinorhynchus [ Jundetermined [ Jother:

Loc-4:



Sta No: <u>E - 9</u>.
Acc No: <u>381749</u> Logged [/] RH No: 2462 ANN ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: NAO Loc-1: US Loc-2: Maine Loc-3: Gull 52 Maine Loc-4: Beturn Sharrer Ridge 4 Rodger's Single L/L: 42^29^36 N^068^54^12N Gear: meio-dredge grab (box-corer) core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 225 S (ppt): T (C): 3-3 Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Prem: carosafe formalin alcohol -vial Press carosafe formalin alcohol Col: R-Kiggins and/or L. Watling Date: 27 5 4 6 19 85 Hab-1: sediment animal plant Hab-2: Ackn: Raks: The control bears made their their their made their th Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ] Neocentrophyes [ ] Pycnophyes [ ] Kinorhynchus [ ]undetermined [ ]other:

Sta No: 5 M - 3 Logged [ / ] Acc No: 3 8 L 7 4 9 RH No: 2464 ANN ANE ASW ASE MED INW INE ISW ISC ISE INE ISW ISC ISE PNW PNE PSW PSE NAO Loc-0: Loc-1: 03 Loc-2: Maasose Loc-3: Gull on M LOC-3: Grand Comme Vidae

Loc-4: Inne Shoodic Ridae rear not Desent Rock L/L: 440412N10675600W SMN-WW Gear: meio-dredge grab box-corer core other Zone-1: Gubtidal intertidal Horiz (cm): Zone-2: oceanio estuarine Depth (a): 105 S (ppt): T (C): 8.0 Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed) Lots: -30ml Press carosafe formalin alcohol -60ml Press carosafe formalin alcohol -vial Press carosafe formalin alcohol Col: R. Higgins and/or L. Wax Ca Date: 2815 UL1 1985 Hab-1: sediment animal plant Hab-2: Ackn: - The said sind their ship ship ship sind was said their find their face and said said their said their said said said said their said Raks: Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

[ Jundetermined [ Jother:

[ Jundetermined [ Jother:

Sta No: 17 Acc No: 381749 Logged [ / ] RH No: 246 7 ANE ASW ASE MED INW INE ISW ISC ISE INE ISW ISC ISE PNW PNE PSW Loc-0: NAO Loc-1: Loc-2: MAINE Loc-3: Gullo, mains Loc-4: Appenus bedge L/L: 42-465420006911754W Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 66 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: \_\_\_\_-30ml Pres: carosafe formalin alcohol -60ml Press carosafe formalin alcohol 2-vial Press carosate formalin (alcohol Col: R. Higgins and/or L. Wathing Date: 16°MAY 1986 Hab-1: sediment animal plant Hab-2: COONDE SOUN Ackn: Raks: 6-8606 Mementea, Gast Gastrotrick (n gastropodo ? Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

|     | Sta No: 900909.4 Logged [ ] Acc No: 389748   |
|-----|--|
|     | RH No: 2651 BISTAR 591   |
|     | SMIP STA 17  |
|     | ANW ANE ASW ASE MED INW INE ISW ISC ISE<br>INW INE ISW ISC ISE PNW PNE PSW PSE           |
|     | Loc-0:   |
|     | Loc-1:   |
|     | Loc-2:   |
|     | Loc-3: <u>Bailey Bursh</u> Loc-4:  |
|     | LULTI  |
|     | 9 26"  |
|     | L/L: 60°35. 183 N 10010° 14°61 W<br>50" Ancher de  |
| •   | Gear: meio-dredge grab box-corer core other  |
|     | Zone-1: subtidat intertidal Horiz (cm):  |
|     | Zone-2: oceanic estuarine Depth (a): 160   |
|     | S (ppt): T (C): Fix: formalin alcohol  |
|     | Proc: bubble decant in-shock narc unprocessed  Lots:30ml Pres: carosafe formalin alcohol |
|     | 60ml Pres: carosafe formalin alcohol   |
| •   |  |
|     | Col: R. Higgins and for & Kristenson   |
|     | Date: ^ 19   |
|     | Hab-1: sediment animal plant   |
|     | Hab-2: Carbonde Shell Grand  |
|     | Ackn: BLOFAR 1990  |
|     | Roks: Isopoda (to B. Kensley)  |
|     | Lvial  |
|     |  |
|     |  |
| 2   |  |
|     | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes  |
|     | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|     | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
| (B) | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus  |
| V   | [ ]undetermined [ ]other:  |

| RH No: 2682  RH No: 2682  BIOFAR 598  ANN ANE ASH ASE HED INN INE ISN ISC ISE INN INE ISN ISC ISE PNN PNE PSN PSE Loc-0: Loc-1: Loc-2: Loc-3: Loc-4:  L/L: 62^/ 4^ 4 ON ^ 0 5 ^ 35 ^ 3 W  Entre transport of the point of the poin | Sta No: 9 6 6 4 1 1 . 1 Logged [ ]   |
|--|--|
| ANN ANE ASM ASE MED INW INE ISM ISC ISE INW INE ISM ISC ISE PNW PNE PSW PSE Loc-0: Loc-1: Loc-2: Loc-3: Loc-4:  L/L: £2^/ 4^* CN^^0 05^^355^3 W  Entre range da.  Gear: meio-dredge grab box-corer core other Ione-1: Subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 240 S (ppt): I (C): Fix: forwallin alcohol Proct bubble decant in-shock narc unprocessed Lots: -30xl Pres: carosafe formalin alcohol -60xl Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol L-vial Pres: carosafe formalin alcohol Col: R. Biggins and/or Martin Incare.  Date: 19 Hab-1: Sediment animal plant Hab-2: wed gravel (chlamys formalin) Ackn: RLOFAR 1990 Raks: King Rhuncha 1-vial  Dbs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |  |
| ANN ANE ASN ASE MED INN INE ISN ISC ISE INN INE ISN ISC ISE PNN PNE PSN PSE Loc-0: Loc-1: Loc-2: Loc-3: Loc-4:  L/L: E2^/ +^+ + ON^* O 5^* 35 5 3 W  Electrical Entertial Control Entertial Control  Ione-1: Subtidal intertial Horiz (cm): Zone-2: Oceanio estuarine Depth (m): 245  S (ppt): J (C): Fix: forwally alcohol Proce bubble decant fn-shock narc unprocessed Lots: -30nl Pres: carosafe formalin alcohol  | RH No: 2683 BIOFAR 598   |
| INN INE ISN ISC ISE PNN PNE PSN PSE Loc-0: Loc-1: Loc-2: Loc-3: Loc-4:  L/L: £2^1/4^4 + ON^^0 O 5^^35 5 W  Bloome transport of the processed of the processed processed construction of the processed construction of th | SHIP STA ZZ 23   |
| Loc-0: Loc-1: Loc-2: Loc-3: Loc-4:  L/L: 62^14^4 CN^005^035^3 W  Fifthe transport da.  Gear: seio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (ca): Zone-2: oceanic estuarine Depth (m): 240 S (ppt): I (C): Fix: forwallin alcohol Proc: bubble decant) fw-shock narc unprocessed Lots: -30s1 Pres: carosafe forwallin alcohol -60s1 Pres: carosafe forwallin alcohol 1-vial Pres: carosafe forwallin alcohol Col: R. Higgins and for Martin Jargensen Date: ^ 19 Hab-1: Sedisent animal plant Hab-2: well grand (chlassys founds)  Ackn: RLOFAR 1990 Ruks: King Rhyncha 1-vial  Obs: [ 36yanoderes [ ]Echinoderes [ ]Condyloderes   | ANW ANE ASW ASE MED INW INE ISW ISC ISE  |
| Loc-1: Loc-2: Loc-3: Loc-4:  L/L: & Z^1 4^ + ON^A O 5^A 35^3 W  Gear: seio-dredge grab box-corer core other Ione-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 240  S (ppt): I (C): Fix: forwallin alcohol Proc: bubble decant) fu-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol Col: R. Higgins and/or Martin Jargensen Date: ^ 19 Hab-1: sediment animal plant Hab-2: week gravel (chlassys (pumble))  Ackn: RIOFAR 1990 Raks: King Rhyncha I-vial  | INW INE ISW ISC ISE PNW PNE PSW PSE  |
| Loc-2: Loc-3: Loc-4:  L/L: 62^/4^, 400^0 50^35^3 W  Blothe trange de.  Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 240 S (ppt): I (C): Fix: forwallin alcohol Proc: bubble decant in-shock narc unprocessed Lots:30ml Pres: carosafe formalin alcohol60ml Pres: carosafe formalin alcohol Lot: ^-19  Hab-1: sediment animal plant Hab-2:  | Loc-0:   |
| Loc-4:  L/L: 62^/4^*CN^^0 05^^35 3 W  Bittle transports  Gear: seio-dredge grab box-corer core other Ione-1: Subtidal intertidal Horiz (cm): Ione-2: Oceanic estuarine Depth (m): 240  S (ppt): I (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots:30 ml Pres: carosafe formalin alcohol60 ml Pres: carosafe formalin alcoholvial Pres: carosafe formalin alcohol Col: R. Higgins and/or Martin Incomesen Date: ^ 19 Hab-1: Sediment animal plant Hab-2: Martin Incomesen  Ackn: ROFAR 1990  Raks: King Rhyncha I-vial  Obs: [ 36ymnoderes [ ]Echinoderes [ ]Condyloderes   | Loc-1:   |
| Loc-4:  L/L: 62^/4^+CN^^0 05^^35^3 W  Rhite trange de.  Gear: meio-dredge grab box-corer core other Ione-1: Subtidal intertidal Horiz (cm): Zone-2: Oceanic estuarine Depth (m): 240 S (ppt): T (C): Fix: formalin alcohol Proct bubble decant in-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol 1-vial Pres: carosafe formalin alcohol Col: R. Higgins and/or Martin Javaensen Date: ^ 19 Hab-1: Sediment animal plant Hab-2: med grand (chlamys formalio)  Ackn: RLOFAR 1990 Rmks: Kind Rhyncha 1-vial   | Loc-2:   |
| L/L: 62^14^4 CN^0 05^0 35 03 W  Eletar transports  Gear: seio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (ca):  Zone-2: oceanic estuarine Depth (a): 240  S (ppt): I (C): Fix: forwalin alcohol  Proc: bubble decant fu-shock narc unprocessed  Lots: -30ul Pres: carosafe forwalin alcohol  -60ul Pres: carosafe forwalin alcohol  L-vial Pres: carosafe forwalin alcohol  Col: R. Higgins and/or Martin Idraeusen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: wed gravel (chlamys (breaker))  Ackn: RIOFAR 1990  Raks: Kino Rhyncha 1-vial  Obs: [ ]6yunoderes [ ]Echinoderes [ ]Condyloderes   | Loc-3:   |
| Gear: meio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (cm):  Ione-2: oceanic estuarine Depth (m): 248  S (ppt): I (C): Fix: formalin alcohol  Proc: bubble decant in-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  i-vial Pres: carosafe formalin alcohol  Col: R. Higgins and for Martin Tergensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: med grand (chlamys formals)  Ackn: BLOFAR 1990  Rmks: Knophyncha I-vial  Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   | Loc-4:   |
| Gear: meio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (cm):  Ione-2: oceanic estuarine Depth (m): 248  S (ppt): I (C): Fix: formalin alcohol  Proc: bubble decant in-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  i-vial Pres: carosafe formalin alcohol  Col: R. Higgins and for Martin Tergensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: med grand (chlamys formals)  Ackn: BLOFAR 1990  Rmks: Knophyncha I-vial  Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |  |
| Gear: meio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 240  S (ppt): J (C): Fix: formalin alcohol  Proc: bubble decant in-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol  Col: R. Higgins and/or Martin Jorgensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: med gravel (chlassys (busiles))  Ackn: RIOFAR 1990  Raks: King Rhyncha I-vial   |  |
| Gear: meio-dredge grab box-corer core other Ione-1: subtidal intertidal Horiz (cm): Ione-2: oceanic estuarine Depth (m): 240 S (ppt): I (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots:30ml Pres: carosafe formalin alcohol60ml Pres: carosafe formalin alcoholvial Pres: carosafe formalin alcohol Col: R.Higgins and/or Martin Jorgensen Date: _^ 19 Hab-1: sediment animal plant Hab-2: med grand (chlamys (binalie))  Ackn: RLOFAR 1990 Rmks: Rms:  |  |
| Ione-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 240  S (ppt): I (C): Fix: formalin alcohol  Proc: bubble decant fn-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  I-vial Pres: carosafe formalin alcohol  Col: R. Higgins and/or Martin Idroensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: well grand (chlangs (brade))  Ackn: RLOFAR 1990  Rmks: Kino Rhyncha I-vial  |  |
| S (ppt): I (C): Fix: forwall alcohol Proc: bubble decant fu-shock narc unprocessed Lots:30al Pres: carosafe forwall alcohol  |  |
| S (ppt): I (C): Fix: forwallin alcohol  Proc: bubble decant in-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  L-vial Pres: carosafe formalin alcohol  Col: R.Higgins and for Martin Jorgensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: med gravel (chlasnys formalis)  Ackn: RLOFAR 1990  Rmks: Kino Rhyncha 1-vial  Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes  | Laboration Tomas and Company   |
| Procebubble decant in-shock narc unprocessed Lots: -30 nl Pres: carosafe formalin alcohol  -60 nl Pres: carosafe formalin alcohol  L-vial Pres: carosafe formalin alcohol  Col: R. Higgins and for Martin Jørgensen  Date: ^ 19  Hab-1: sediment animal plant  Hab-2: wed grand (chlamys (breake))  Ackn: RLOFAR 1990  Rmks: Kino Rhyncha 1-vial  Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |  |
| Lots:3001 Pres: carosafe formalin alcohol    6001 Pres: carosafe formalin alcohol  |  |
|  | The state of the s |
| Date: ^ 19 Hab-1: sediment animal plant Hab-2: red gravel (chlamys (broken))  Ackn: RLOFAR 1990 Raks: Knorkyncha 1-vial  Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes   |  |
| Col: R. Higgins and for Martin Jørgensen  Date: ^ 19  Hab-1: Sediment animal plant  Hab-2: Med gravel (chlamys (breaks))  Ackn: RLOFAR 1990  Rmks: Kino Rhyncha 1-vial  Obs: [] Gymnoderes [] Echinoderes [] Condyloderes  |  |
| Date: ^ 19  Hab-1: Sediment animal plant  Hab-2: such gravel (chlassys (breake))  Ackn: RIOFAR 1990  Rmks: Kino Rhyncha I-vial  Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes  |  |
| Hab-1: Sediment animal plant Hab-2: Sud gravel (chlamys (broadur))  Ackn: RLOFAR 1990  Ruks: Kino Rhyncha 1-vial  Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |  |
| Hab-2: Such gravel (chlamys (bivalue))  Ackn: RLOFAR 1990  Raks: Kino Rhyricha I-vial  Obs: [ 36yanoderes [ ]Echinoderes [ ]Condyloderes   | desperate value state state data. Naturality approving distribute  |
| Ackn: RIOFAR 1990 Raks: Kino Rhyncha I-vial  Obs: [ ]Gyanoderes [ ]Echinoderes [ ]Condyloderes   |  |
| Raks: Kino Rhyncha I-vial  Obs: [] Gyanoderes [] Echinoderes [] Condyloderes   | II au Zi   |
| Raks: Kino Rhyncha I-vial  Obs: [] Gyanoderes [] Echinoderes [] Condyloderes   | Arkn: RIOFAR 1990  |
| Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |  |
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|  | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condvloderes  |
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| [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  | · · · · · · · · · · · · · · · · · · ·  |
| [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus  |  |
| [ ]undetermined [ ]other:  |  |

|     | Sta No: 900416.3 Logged 0/1 Acc No: 389548   |
|-----|--|
|     | RH No: 2683 BIOFAR 600   |
|     | Simp 57 24   |
|     | ANW ANE ASW ASE MED INW INE ISW ISC ISE  |
|     | INW INE ISW ISC ISE PNW PNE PSW PSE  |
|     | Loc-1:   |
|     | Loc-2:   |
|     | Loc-3:   |
|     | Loc-4:   |
| i i | 48" EHU  |
|     | L/L: 62^0218N ~006079 W  |
|     | BIOTHE Frangle oblides   |
|     | Gear: meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm): |
|     | Zone-2: oceanic estuarine Depth (m):   |
|     | S (ppt): T (C): Fix: formalin alcohol  |
|     | Proc: bubble decant in-shock narc unprocessed  |
|     | Lots:30ml Pres: carosafe formalin alcohol  |
|     | -60ml Pres: carosafe formalin alcohol  |
|     | Col: R. Higgins and for Markin Jorgensen   |
|     | Date: // ^&P P ^ 19 9 0  |
|     | Hab-l: sediment animal plant   |
|     | Hab-2:   |
|     | Ackn: BLO FAR  |
|     | Roks: Emerhanoha 1-Val   |
|     |  |
|     |  |
|     |  |
|     | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                                    |
|     | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|     | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
|     | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                      |
|     | [ ]undetermined [ ]other:  |

| Sta No: 900412.41 Logged [ ]                         |
|--|
| ACC No: 3 5 9 8 4 6                                  |
| RH No: 2684 BIOFAR 608                               |
| 5HIP STA 29  |
| ANW ANE ASW ASE MED INW INE ISW ISC ISE              |
| INW INE ISW ISC ISE PNW PNE PSW PSE                  |
| Loc-0:   |
| Loc-1:   |
| Loc-2:   |
| Loc-3:   |
| Loc-4:   |
|  |
|  |
| L/L: 6 L^56; 12 N^0006^30^ W<br>Bloth anchor dudy    |
| Gear: meio-dredge grab box-corer core other          |
| lone-1: subtidal intertidal Horiz (ca):              |
| Zone-2: oceanic estuarine Depth (m): 65              |
| S (ppt): T (C): Fix: formalin alcohol                |
| Proc: bubble decant in-shock narc unprocessed        |
| Lots:30ml Pres: carosafe formalin alcohol            |
| -60ml Pres: carosafe formalin alcohol                |
| vial Pres: carosate formalin alcohol                 |
| Col: Artiggins and for Martin Jergenson              |
| Date: ^ 19   |
| Hab-1: (sediment) animal plant                       |
| Hab-2: course sand solub w/ much                     |
| THE LA STEEL STATE OF THE STATES                     |
| Ackn: BLOFAR   |
| Raks: Zmortuncha - 1-vial                            |
|  |
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|  |
| Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes |
| [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes          |
| [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes        |
| [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus      |
| [ ]undetermined [ ]other:                            |
|  |

| Sta No: 900412 Logged [ ]   |
|---|
| ACC No: 289648  |
| RH No: 2685 BIOFAR 610  |
| SHIP STA 30   |
| ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE |
| Loc-0:  |
| Loc-1:  |
| Loc-2:  |
| Loc-3:  |
| Loc-4:  |
|   |
| 18"   |
| L/L: 62 05 30 N 006 000 W BIOTHRONCHORD                                     |
| Gear: meio-dredge grab box-corer core other                                 |
| Zone-1: Subtidal intertidal Horiz (cm):                                     |
| Zone-2: oceanic estuarine Depth (m): 90                                     |
| S (ppt): T (C): Fix: formalin alcohol                                       |
| Proc: bubble decant in-shock narc unprocessed                               |
| Lots:30ml Pres: carosafe formalin alcohol                                   |
| -60ml Pres: carosate formalin alcohol                                       |
|   |
| Col: R. Niggins and for Martin Jarganson                                    |
| Date: 12 ^ 4 9 2 ^ 19 9 0   |
| Hab-1: sediment animal plant  |
| Hab-2: Muel w/ chlamins   |
|   |
| Ackn: BLOFAP  |
| Raks: Yung I-vial   |
|   |
|   |
|   |
| Ohma 6 20   |
| Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes                           |
| [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                 |
| [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                               |
| [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                             |
| [ ]undetermined [ ]other:   |

The state of the s

Sta No: 900425.1\_ Logged [/] ACC No: 389848 RH No: 2 6 8 6 ANW (ANE) ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: BALTIC SEA Loc-1: KIEL BAY Loc-2: Loc-3: Loc-4: L/L: ^ ^ ^ Gear: Reio-dredge grab box-corer core other Ione-1: (subtidal intertidal Horiz (cm):\_\_\_\_ Zone-2: oceanic estuarine Depth (a): S (ppt): \_\_\_ T (C): \_\_\_ Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: 1-30ml Pres: carosale formalin alcohol -60ml Pres: carosafe formalin alcohol 2 F-vial Pres: carosate Gornalin alcohol Col: R. Higgins and/or Date: 25 ^ APR ^ 1990 Hab-1: sediment animal plant Hab-2: mud w/ thin oxiglized layer - 425 below Ackn: H Ruhmor Inst. f. meeres. Kiel Raks: Haliary plus spinulosus common m 1-30 ml 3 spm Pychophys in 1-+ dr vial 1-vial Kins lual priap Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ] Neocentrophyes [X]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

|  | Sta No: 900412.1 Logged [ ]  Acc No: 389848  RH No: 2687   |
|--|--|
| The second secon | ANW ANE ASW ASE MED INW INE ISW ISC ISE  INW INE ISW ISC ISE PNW PNE PSW PSE  Loc-0: NAO  Loc-1:   |
|  | Loc-2: Factore Islands Loc-3: Kaldbak Flord Loc-4:   |
|  | L/L: 62 03 .56 N 006 50 .56 W  |
|  | Gear: weio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 58  S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fw-shock narc unprocessed  Lots: -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol    -vial Pres: carosafe formalin alcohol  Col: R. Higgins and for R. Kristerson  Date: 12 ^ ACR ^ 19 9 0  Hab-1: Sediment animal plant  Hab-2: med |
|  | Ackn: Anne Marie NORBY, Johan SMONSON, BIOFAR Raks: Kinorhynch I-VIAI  |
|  | Obs: [ ]&ymnoderes [ ]&chinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:  |

|  | Sta No: 900412.2 Logged [/] Acc No: 381848                                  |
|--|---|
|  | RH No: 2688  BIOFAR 629   |
| The same of the sa | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE |
|  | Lpc-0:  |
|  | Loc-1:  |
|  | Loc-2:  |
|  | Loc-3: kalabak Fjord  |
| "They also, Fo"  | Loc-4:  |
|  | 42"   |
| No second  | L/L: 62^03;70 N^0006~48;38 W  |
|  | Gear: meio-dredge grab box-corer core other                                 |
|  | lune-1: subtidal intertidal Horiz (cm):                                     |
|  | Zone-2: oceanic estuarine Depth (m): 62                                     |
|  | S (ppt): T (C): Fix: formalin alcohol                                       |
|  | Proc: bubble decant fw-shock narc unprocessed                               |
|  | Lots:30ml Pres: carosafe formalin alcohol                                   |
|  | -60ml Pres: carosafe formalin alcohol                                       |
|  | /-vial Pres: carosafe formalin alcohol                                      |
|  | Col: R. Niggins and for P. Kristensen                                       |
|  | Date: 12 ^ A P R ^ 19 90  |
|  | Hab-1: sediment animal plant  |
| The state of the s | Hab-2: Made   |
|  | Ackn:   |
|  | Raks: Kins-1-u(a)   |
|  |   |
|  |   |
|  |   |
|  | Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes                        |
|  | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                 |
|  | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                               |
|  | [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                             |
|  | [ ]undetermined [ ]other:   |

|          | Sta No: 900412.3 Logged [V]   |
|----------|---|
|          | Acc No: 389848  |
|          | RH No: 2689 810FM 630   |
|          | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE |
|          | Loc-0:  |
|          | Loc-1:<br>Loc-2:  |
|          |   |
|          | Loc-4:  |
|          |   |
|          | 79  |
|          | L/L: 6203149N1006147147   |
|          | Gear: weio-dredge grab box-corer core other                                 |
|          | Zone-1: subtidal intertidal Horiz (cm):                                     |
|          | Zone-2: oceanic estuarine Depth (m): 20                                     |
|          | S (ppt): T (C): Fix: formalin alcohol                                       |
|          | Proce bubble decant Sin-shock narc unprocessed                              |
|          | Lots: 1-30ml Pres: carosafe formalin alcohol                                |
|          | 60ml Pres: carosafe formalin alcohol  |
| No freez |   |
|          | Col: R. Niggins andtor R. Kristeusen  |
|          | Date: 12 1 PR 1990  |
|          | Hab-1: Sediment animal plant  |
|          | Hab-2: sand up detistus   |
|          | Ackn:   |
|          | ROKS: KIND 1-VIEL ( FORMALIA)   |
|          |   |
|          |   |
|          |   |
|          |   |
|          | Obs: [ ] By mnoderes [ ] Echinoderes [ ] Condyloderes                       |
|          | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                 |
|          | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                               |
|          | [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                             |
|          | [ ]undetermined [ ]other:   |

|   | Sta No: 900412.4 Logged [/]  |
|---|--|
| , | ACC No: 389848  BU No: 369648  BIOFAN 631                                      |
|   | RH No: 2690  |
| 6 | ANW ANE ASW ASE MED INW INE ISW ISC ISE<br>INW INE ISW ISC ISE PNN PNE PSW PSE |
|   | Loc-0:   |
|   | Loc-1:   |
|   | Loc-2:   |
|   | Loc-3: Kaldbak Flord   |
|   | Loc-4:   |
|   | 01   |
|   | L/L: 62^04202 N^0006746766 W   |
|   | Gear: meio-dredge grab box-corer core other                                    |
|   | lone-1: subtidal intertidal Horiz (cm):  |
|   | Zone-2: oceanic estuarine Depth (m): 42-44                                     |
|   | S (ppt): T (C): Fix: formalin alcohol  |
|   | Proc: bubble decant in-shock narc unprocessed                                  |
|   | Lots:30ml Pres: carosafe formalin alcohol                                      |
|   | 60ml Pres: carosafe formalin alcohol   |
|   | 1-vial Pres: carosafe formalin alcohol   |
|   | Col: R. Higgins and tor- R. Kristenson   |
|   | Date: 12_^APR_^19 90_  |
|   | Hab-1: sediment animal plant   |
|   | Hab-2: mud w/ shell a sound  |
|   | Ackn:  |
|   | Raks: Kino-l-vial  |
|   |  |
|   |  |
|   |  |
|   | Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes                              |
|   | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                    |
|   | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes ?                                |
|   | [ ]Kencentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                |
| : |  |
|   | [ ]undetermined [ ]other:  |

is. Here offer offer activities of Lagrang afterlasses organization of the section of the sectio Sta No: 9 0 0 4 1 2 . 5 \_ Acc No: 389 548 Logged [/] BIOFAR 632 RH No: 2691 ANW (ANE ) ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1: Loc-2: Facroe Islands Loc-3: Tanga Fijord Loc-4: L/L: 62^04:3/2 N^006^4+:65 W Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 40 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant fu-shock narc unprocessed Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Niggins and/or R. Kristensen Date: 12 ^ AP R 19 90 Hab-1: Sediment animal plant Hab-2: Shell grown Ackn: late of britter than Raks: Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ] Neocentrophyes [ ] Pycnophyes [ ] Kinorhynchus [ ]undetermined [ ]other:

Sta No: 900412.7
Acc No: 387848 Logged [ ] BIOTAR 634 RH No: 2 692 ANW (ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1: Loc-2: Facrue Islands Loc-3: - Haldback Flord Tanga fjord as. Loc-4: L/L: 62°04°69N 006°46°35W Gear: meio-dredge grab box-corer core other Zone-1: Subtidal intertidal Horiz (cm): Zone-2: Oceanic estuarine Depth (m): 80 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: \_-30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Higgins and for R. Kristensen Date: 12 ^ A-PR ^ 19 90 Hab-1: (sediment) animal plant Hab-2: sandy mad Ackn: Raks: large sound Links - I-Kino Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ] Heocentrophyes [ Afycnophyes [ ] Kinorhynchus [ Jundetermined [ Jother:

Sta No: 9 0 0 4 0 4 . 2 Logged [ ]

Acc No: 389848

(Shup states 7) RH No: 2694 ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: North Sea Loc-1: Loc-2: Loc-3: Loc-4: L/L: 56 000001N 0006 24 284 E Hugger Andrer director Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (a): 50 S (ppt): T (C): Fix: dormalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: 1-30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Press carosate formalin alcohol Col: R. Niggins and/or R Knistensen Date: 04 ^ A P R ^ 19 9 0 Hab-1: sediment animal plant Hab-2: much in course sand Ackn: PA VALDIUM 4 TWA ROKS: Supunciala, Propulida, Cumacea. Newstoda Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes IMeacentrophyes [ IPycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:

|  | Sta No: 900404.3 Logged [] Acc No: 389848  |
|--|--|
|  | Acc No: 389848   |
|  | RH No: 2625 shipstakin &   |
|  | ANN ANE ASN ASE NED INN INE ISW ISC ISE INW INE ISW ISC ISE PNN PNE PSW PSE Loc-0: North See |
|  | Loc-1: Not of Page or Bonney   |
|  | Loc-2:   |
|  | Loc-3:   |
| The Same of the Sa | Loc-4:   |
|  |  |
|  | Ulu 56 13 109 1 1005 132,50 E  |
|  | Gear: meio-dredge grab box-corer core other  |
|  | Zone-1: Subtidal intertidal Horiz (cm):  |
|  | Zone-2: oceanic estuarine Depth (a):   |
|  | S (ppt): T (C): Fix: formalin alcohol  |
|  | Proc: bubble decant in-shock narc unprocessed  |
|  | Lots: 1-30ml Press carosafe formalin alcohol   |
|  | 1-60ml Pres: carosafe formalin alcohol   |
| ,  | -vial Pres: carosafe formalin alcohol  |
|  | Col: R. Niggins and/or R. M. Kristensen  |
|  | Date: 04^AP2 ^ 19 90   |
| The Cape of the Ca | Hab-1: Sediment animal plant   |
|  | Hab-2: brn. mud  |
|  | Ackna  |
| ,  | Roks: 7 Bongs not filled up much   |
|  |  |
| . Consort  |  |
|  |  |
|  | Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |
|  | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|  | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
|  | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus  |
|  | [ ]undetermined [ ]other:  |

Build the transport of the property of the pro

Sta No: 9 0 0 4 0 5 . 1 Logged [ 1] Acc No: 387848 (Ship statem 9) RH No: 2696 ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: North tea Loc-1: Fladden Ground Loc-2: Loc-3: Loc-4: L/L: 58^29 ^97 N ^ 000 ^28^24 E eligino anchor de Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 140 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant fw-shock narc unprocessed Lots: 1-30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Niggins and/or Rum Kristensen Date: 05 ^AP 2 ^ 19 9 0 Hab-1: sediment animal plant Hab-2: grey mud w/ Pine sand Ackn: Raks: 20-20 kg. Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:

|   | Sta No: 900409. / Logged (V)  |
|---|---|
|   | ACC No: 3 5 9 8 4 8 BIOTHE 58%  |
|   | RH No: 2697   |
| 8 | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE |
|   | Loc-0:  |
|   | Loc-1: FARCE BRANK  |
|   | Loc-2:  |
|   | Loc-3:  |
|   | Loc-4:  |
|   | L/L: 60^47^00N^009^00072W   |
|   | androrde  |
|   | Gear: meio-dredge grab box-corer core other                                 |
|   | lone-1: (subtidal) intertidal Horiz (cm):                                   |
|   | Zone-2: oceanic estuarine Depth (m): 100-105 m                              |
|   | S (ppt): T (C): Fix: formalin alcohol                                       |
|   | Proc: bubble decant (in-shock narc unprocessed                              |
|   | Lots:30ml Pres: carosafe formalin alcohol                                   |
|   | -60ml Pres: carosafe formalin alcohol                                       |
|   | -vial Pres: carosafe formalin alcohol                                       |
|   | Col: R. Niggins and/or Krostenson   |
|   | Date: 09 ^ A P P - ^ 19 90  |
|   | Hab-1: sediment animal plant  |
|   | Hab-2: course abell bounds, well sorted                                     |
|   | ACKN: BISFAC, MS VALDIUM, 4. THIEL, A. NOTHERS                              |
|   | Ruks:   |
|   |   |
|   |   |
|   |   |
|   |   |
|   | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                           |
|   | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                 |
|   | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                               |
|   | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                             |
|   | [ Jundetermined [ Jother:   |

|   | Sta No: 900909. D Logged [/]   |
|---|--|
|   | ACC No: 389848 RH No: 2698 BIOFAR 590  |
|   | Ship Sta 16  |
|   | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE  |
|   | Loc-0;   |
|   | Loc-1:   |
| ( )   | Loc-3:   |
| The same of   | Loc-4:   |
|   | ক্ষিত্ৰৰ সম্প্ৰত কৰিবৰ কৰি কৰিবৰ কৰি |
|   | · 在一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个  |
|   | L/L: 60^39^54 N^010^09^42w Anchor  |
|   | Gear: meio-dredge grab box-corer core other dr.  |
|   | Zone-1: Subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 150   |
|   | Zone-2: oceanic estuarine Depth (m): 150   |
|   | S (ppt): T (C): Fix: formalin alcohol  |
|   | Procebubble decant in-shock narc unprocessed   |
|   | Lots: /-30ml Pres: carosafe formalin alcohol   |
|   | -60ml Pres: carosafe formalin alcohol  |
|   | -vial Pres: carosate formalin alcohol  |
|   | Col: R. Niggins and/or L+5-casen  Date: 09 A A PRA 19 A  |
| 4   | AND  |
| (   | Hab-1: sediment animal plant Hab-2:  |
| Marine of the second  | nav-z:   |
|   | Ackn:  |
|   | Raks:  |
| ()  |  |
| Maria de la Carta de |  |
|   |  |
|   |  |
|   | Obs: [ ] Gymnoderes [ ] Echinoderes [ ] Condyloderes   |
|   | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|   | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
|   | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus  |
|   | [ Jandeternined [ Jothers man was seen the good was seen the part with the color of the color was the color of the color o |

|          | Sta No: 900411. Logged [/]   |
|----------|--|
| <i>:</i> | ACC No: 38988  |
|          | RH No: 2691  BIOFAR 601  |
|          | SHIP STA 24  |
|          | ANW ANE ASW ASE MED INW INE ISW ISC ISE                                  |
|          | INW INE ISW ISC ISE PNW PNE PSW PSE                                      |
|          | Loc-0:   |
|          | Loc-1:   |
|          | Loc-2:   |
|          | Loc-3:   |
|          | Loc-4:   |
|          |  |
|          | 54   |
|          | L/L: EL-56-9 NMO 05-58-00 W  |
|          |  |
|          | Gear: meio-dredge grab box-corer core other                              |
|          | Zone-1: subtidal intertidal Horiz (cm):                                  |
|          | Zone-2: oceanic estuarine Depth (m):                                     |
|          | S (ppt): T (C): Fix: formalin alcohol                                    |
|          | Proc: bubble decant in-shock narc unprocessed                            |
|          | Lots: Pres: carosafe formalin alcohol                                    |
|          | 60ml Pres: carosafe formalin alcoholvial Pres: carosafe formalin alcohol |
|          | Col: R. Higgins and/or Mentin Volrgensen                                 |
|          | Date: 11. ^A PP ^ 19 90  |
|          | Hab-1: sediment animal plant   |
|          | Hab-2: Sand  |
|          |  |
|          | Ackn:  |
|          | Raks:  |
|          |  |
|          |  |
|          |  |
|          |  |
|          | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                        |
|          | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                              |
|          | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                            |
|          | [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                          |
|          | [ ]undetermined [ ]other:  |

- Regulation Process (A. 1997年) - Control (Control (Con

|  | Sta No: 900417.1 Logged [/] Acc No: 389848                                     |
|--|--|
|  | RH No: 2700 BIOFAR 622   |
|  | SHIP STA 48  |
|  | ANW ANE ASW ASE MED INW INE ISW ISC ISE<br>INW INE ISW ISC ISE PNW PNE PSW PSE |
|  | Loc-0:   |
|  | Loc-1:   |
|  | Loc-2:   |
|  | Loc-3:   |
|  | Loc-4:   |
|  |  |
| and the state of t | 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.  |
|  | L/L: 61°40°97N°007°38°16 W<br>Augmandure drudge                                |
|  | Gear: meio-dredge grab box-corer core other                                    |
|  | Zone-1: subtidal intertidal Horiz (cm):  |
|  | Zone-2: oceanic estuarine Depth (m): 220                                       |
|  | S (ppt): T (C): Fix: formalin alcohol  |
|  | Proce bubble decant in-shock narc unprocessed                                  |
|  | Lots:30ml Pres: carosafe formalin alcohol                                      |
|  | 60ml Pres: carosafe formalin alcohol   |
|  | -vial Pres: carosate formalin alcohol  |
|  | Col: R. Niggins and for R. KRISTENSEN  |
|  | Date:^ 19  |
|  | Hab-1: sediment animal plant   |
|  | Hab-2: mudder/medin to come Sand   |
|  |  |
|  | Ackn:  |
| 7  | Raks:  |
|  |  |
|  |  |
|  |  |
|  | Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                              |
|  | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                                    |
|  | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                                  |
|  | [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                |
| 4  | [ ]undetermined [ ]other:  |
|  | r Januerel Minen. r Jurillet i   |
| the said of the state of the said of the s |  |

| Sta No: 900417.2 Logged [/]  |
|--|
| ACC No: 389 8 4 8  |
| RH NO: 2701  810 FAR 623   |
| SHIP STA 99  |
| ANW ANE ASW ASE MED INW INE ISW ISC ISE                                  |
| INW INE ISW ISC ISE PNW PNE PSW PSE                                      |
| Loc-0:   |
| Loc-i:   |
| Loc-2:   |
| Loc-3:   |
| Loc-4:   |
|  |
| L/L: 61-34, \$0 N ~ 008 ~ 01 ~ 72 W                                      |
|  |
| High anchor disable  |
| Gear: meio-dredge grab box-corer core other                              |
| Zone-1: subtidal intertidal Horiz (cm):                                  |
| Zone-2: oceanic estuarine Depth (a): 320-340                             |
| S (ppt): T (C): Fix: formalin alcohol                                    |
| Proc: bubble decant in-shock narc unprocessed                            |
| Lots: Pres: carosafe formalin alcohol                                    |
| 60ml Pres: carosafe formalin alcoholvial Pres: carosafe formalin alcohol |
| Col: R. Niggins and tor- R. Kresterran                                   |
| Date: ^ 19   |
| Hab-1: sediment, animal plant  |
| Hab-2: muddly sand   |
|  |
| Ackn:  |
| Raks:  |
|  |
|  |
|  |
|  |
| Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes                        |
| [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes                              |
| [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes                            |
| [ ] Neocentrophyes [ ] Pycnophyes [ ] Kinorhynchus                       |
| [ ]undetermined [ ]other:  |
|  |

|   | Sta No: 900418. 1 Logged [ 1] Acc No: 389848   |
|---|--|
|   | and the second s |
|   | RH No: 2702  8107AR 624  5741P5TA 51   |
| 5 | ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE LDC-0:   |
|   | Loc-1:   |
|   | Loc-2:   |
|   | Loc-3:   |
|   | Loc-4:   |
|   | 59   |
|   | L/L: 61-00,9/1 N-00 9-47-86 W/ Smith McJutyne  |
|   | Gear: meio-dredge (grab box-corer core other   |
|   | Zone-1; subtidal intertidal Horiz (cm):  |
|   | Zone-2: oceanic estuarine Depth (m): 1070  |
|   | S (ppt): T (C): Fix: formalin alcohol  |
|   | Proc: bubble decant (n-shock narc unprocessed  |
|   | Lots:30ml Pres: carosafe formalin alcohol  |
|   | -60ml Pres: carosafe formalin alcohol  |
|   | -vial Pres: carosafe formalin alcohol  |
|   | Col: R. Higgins and/or R. KRISTENSEN   |
|   | Date: _ ^ _ ^ 19   |
|   | Hab-1: (sediment) animal plant   |
|   | Hab-2: white sand w/ silf  |
|   | Ackn:  |
|   | Raks:  |
|   |  |
|   |  |
|   |  |
|   | Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes  |
| 1 | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|   | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
|   | [ ] Neocentrophyes [ ] Pycnophyes [ ] Kinorhynchus   |
|   | [ ]undetermined [ ]other:  |
|   |  |

| Loc-2: Loc-3: Loc-4:  L/L: 55^59^87 N^00 4^38^3  Gear: meio-dredge grab box-corer core core Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin Proc: bubble decant fw-shock narc unpro Lots: -30wl Pres: carosafe formalin -vial Pres: carosafe formalin -vial Pres: carosafe formalin Col: R. Higgins and/or R. M. Kristensen Date: 04 ^ AP iz ^ 1990 Hab-1: sediment animal plant  |
|--|
| Gear: meio-dredge grab box-corer core of Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin Proc: bubble decant in-shock narc unprotots:30ml Pres: carosafe formalinvial Pres: carosafe formalinvial Pres: carosafe formalin Col: R. Miggins and/or R. M. Kristensen Date: 04 ^ AP R ^ 19 9 0  |
| Gear: meio-dredge grab box-corer core of Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin Proc: bubble decant fw-shock narc unprotects: -30ml Pres: carosafe formalin -40ml Pres: carosafe formalin Col: R. Miggins and/or R. M. Kristensen Date: 64 AP 2 1990   |
| Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin Proc: bubble decant fw-shock narc unpro Lots: -30ml Pres: carosafe formalin   |
| Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): S (ppt): T (C): Fix: formalin Proc: bubble decant fu-shock narc unpro Lots: -30ml Pres: carosafe formalin   |
| S (ppt): T (C): Fix: forwalin  Proc: bubble decant fw-shock narc unpro  Lots: -30ml Pres: carosafe forwalin  -60ml Pres: carosafe forwalin  -vial Pres: carosafe forwalin  Col: R. Higgins and/or R. M. Kristensen  Date: 04 ^ A P R ^ 1990  |
| Proc: bubble decant in-shock narc unpro Lots: -30ml Pres: carosale formalin  1-60ml Pres: carosale formalin  -vial Pres: carosale formalin  Col: R. Niggins and/or R. M. Kristensen  Date: 04 ^ A P R ^ 19 9 0   |
| Lots: -30ml Pres: carosafe formalin  1-60ml Pres: carosafe formalin  -vial Pres: carosafe formalin  Col: R. Niggins and/or R. M. Kristensen  Date: 04 ^ APR 2 ^ 1990   |
| -vial Press carosafe formalin  Col: R. Niggins and/or R. M. Kristensen  Date: 04 ^ A 12 R. ^ 1990  |
| -vial Pres: carosafe formalin  Col: R. Niggins and/or R. M. Kristensen  Date: 04 ^ A P R ^ 1990  |
| Col: R. Higgins and/or R. M. Kristensen  Date: 04 ^ A P R ^ 1990   |
| Date: 04 ^ A 19 12 ^ 19 9 0  |
|  |
| van if seniment animat high  |
| Hab-2: muddely seral   |
| A Company and Comp |
| Ackn: F/V VALOWIA H, Thill   |
| Raks:  |
|  |
|  |
|  |

|     | Sta No: 300716. /_ Logged [V] Acc No: 391373 RH No: 2704                             |
|-----|--|
|     | ANN ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0:   |
|     | Loc-1:<br>Loc-2:<br>Loc-3: G-Lacier Bay AK   |
|     | Loc-4: Johnson Cove  |
|     | L/L: 58^34^24N^136 ^06 ^42W  |
|     | Gear: meio-dredge grab box-corer core other  lone-1: subtidal intertidal Horiz (cm): |
|     | Zone-2: oceanic estuarine Depth (m):   |
|     | S (ppt): T (C): Fix: formalin alcohol  |
|     | Proce bubble decant in-shock narc unprocessed  |
|     | Lots: -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol    |
|     | 1 -vial Pres: carosate tormalin alcohol  |
|     | Col: R. Wiggins and Yor L Mc Nutt  |
|     | Date: 16 ^ 5 u i ^ 1990  |
|     | Hab-1: sediment animal plant   |
|     | Hab-2: anoxic mud  |
|     | Ackn: Mark SCHROEDER and Jan STRAYER Noti Park Se                                    |
|     | Raks: NOTE: Reprints on any typic dealing  |
| (2) | with this collection are to be sent to marks   |
|     | Schroeder, Glacier Nott, Park, Gustavus, AK  |
|     | (mite on all sample records!)  |
|     | Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes                                    |
|     | [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes  |
|     | [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes  |
|     | [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus                                      |
|     | [ ]undetermined [ ]other:  |

| Sta No: 900717.1 Logged [ \square 1]  Acc No: 391377  RH No: 2707   |
|---|
| ANW ANE ASW ASE NED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1:   |
| Loc-2:<br>Loc-3: Berg Bay (North Element) Glacier Bay AK<br>Loc-4: Berg Bay (North Element)   |
| L/L: 58,32,48 N M 36 M 9 M  |
| Gear: meio-dredge grab box-corer core other  lone-1: subtidal intertidal Horiz (cm):  lone-2: oceanic estuarine Depth (m): 33  S (ppt): T (C): Fix: formalin alcohol                                  |
| Proc: bubble decant in-shock narc unprocessed  Lots: / -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol                            |
| Col: R. Niggins and/or L Me North  Date: 16 ^ Jul ^ 1990  |
| Hab-1: sediment animal plant Hab-2: prn much  |
| Ackn: Mark SCHROEDER and Jan STRAYER (Next) Park Sev) Roks: See Ell 2704  |
| Obs: [ ]Gymnoderes & ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Pycnophyes [ ]Rinorhynchus [ ] ]Undetermined [ ]other: |

Sta No: 900717.2.
Acc No: 391372 Logged [ 1 RH No: 2708 ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0: Loc-1: Loc-2: Loc-3: Fingers Bay (North Part) Glacier Bay LOC-4: Worth Fingers Bay L/L: 58-35-42 NM13 6-12-36 W Gear: meio-dredge grab box-corer core other Zone-1: subtidal intertidal Horiz (cm): Zone-2: oceanic estuarine Depth (m): 30 S (ppt): T (C): Fix: formalin alcohol Proc: bubble decant in-shock narc unprocessed Lots: 1 -30ml Pres: carosafe formalin alcohol -60ml Pres: carosafe formalin alcohol -vial Pres: carosafe formalin alcohol Col: R. Niggins and/or L. Mc Nutt Date: 17 15 11 19 90 Hab-1: sediment animal plant Hab-2: brown muel ACKN: Mark SCHROEDER + Jan STRAYER (North Park Sen Raks: See Ett 2704 Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Heocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ Jundetermined [ Jother:

| Sta No: 900717.3 Logged [X] Acc No: 391377 RH No: 2709  |
|---|
| ANW ANE ASW ASE MED INW INE ISW ISC ISE INW INE ISW ISC ISE PNW PNE PSW PSE Loc-0:  |
| Loc-1: Loc-2: Loc-3: Glacier Bay At Loc-4: Beardslee Entrance S. of Eider 1s.   |
| L/L: 58*30 *18 N ** 135 * 56 * 24 W   |
| Gear: meio-dredge grab box-corer core other  lone-1: subtidal intertidal Horiz (cm):  lone-2: oceanic estuarine Depth (m):  S (ppt): T (C): Fix: formalin alcohol   |
| Proc: bubble decant in-shock narc unprocessed  Lots: / -30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol   |
| -vial Pres: carosaíe formalin alcohol Col: R. Niggins and/or L McNutt Date: 17 ^5 ut ^ 1990   |
| Hab-1: sediment animal plant Hab-2: bru muel  |
| Ackn: Mark SCHROEDER & Jaen STRAVER Watt Park En<br>Raks: See & th 2704   |
| Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other: |

| Sta No: 900712.4 Logged [V] Acc No: 39/377 RH No: 2310  |
|---|
| ANN ANE ASM ASE MED INW INE ISM ISC ISE INN INE ISM ISC ISE PNW PNE PSW PSE Loc-0: Loc-1:   |
| Loc-2: Loc-3: Glacier Bay AK Loc-4: Bartlett Cove   |
| L/L: 58^27^42N^135^54^24W   |
| Gear: meio-dredge grab box-corer core other  Zone-1: subtidal intertidal Horiz (cm):  Zone-2: oceanic estuarine Depth (m): 40  S (ppt): T (C): Fix: formalin alcohol  |
| Proc: bubble decant in-shock narc unprocessed  Lots:30ml Pres: carosafe formalin alcohol 60ml Pres: carosafe formalin alcohol  -vial Pres: carosafe formalin alcohol  |
| Col: R. Niggins and/or L McNutt  Date: 17 ^ Tul ^ 1990  Hab-1: Sediment animal plant  |
| Hab-2: Form mind  Ackn: Mark & CHROEPER + Jan STRAYER (North Park Serv)  Raks: See RH 2704  |
| Obs: [ ]6ymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other: |

| Sta No: 900724.1 Logged [/] Acc No: 391377 RH No: 2711   |
|--|
| ANN ANE ASM ASE MED INN INE ISM ISC ISE INN INE ISM ISC ISE PNN PNE PSW PSE LOC-0: NAO, GWE OF ALOSKAA - C-COWOR LOC-1: United States LOC-2: ALOSKA  |
| Loc-3: Auke Bay<br>Loc-4:  |
| L/L:^  |
| Gear: meio-dredge grab box-corer core other  Ione-1: subtidal intertidal Horiz (cm):  Ione-2: oceanic estuarine Depth (m):  S (ppt): T (C): Fix: formalin alcohol  Proc: bubble decant fm-shock narc unprocessed  Lots: 4-30ml Pres: carosafe formalin alcohol  -60ml Pres: carosafe formalin alcohol  /-vial Pres: carosafe formalin alcohol  Col: R. Higgins and/or Shukey + Stock  Date: 2 4^1 u L^19 9 0  Hab-1: sediment animal plant  Hab-2: |
| Ackn: Raks:  |
| Obs: [ ]Gymnoderes [ ]Echinoderes [ ]Condyloderes [ ]Centroderes [ ]Semnoderes [ ]Sphenoderes [ ]Cateria [ ]Zelinkaderes [ ]Paracentrophyes [ ]Neocentrophyes [ ]Pycnophyes [ ]Kinorhynchus [ ]undetermined [ ]other:  |

|                  | Sta No: 9 0 0 8 2 9 . 1 Logged [/]                |
|------------------|---|
| 9                | RH No: 2712 Acc No: 391429                        |
|                  | ANW ANE ASW ASE INW INE ISW ISC ISE               |
|                  | MED PNW PNE PSW PSE                               |
|                  | LOC-O:NATLANTIC EXEAN, Bay of Buscay              |
|                  | Loc-1: Spain                                      |
|                  | Loc-2: Santander Province                         |
|                  | Loc-3: Bahia de Santanden                         |
|                  | Loc-4: 5 1777 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7     |
|                  | Near E portavea (Astillero)                       |
|                  | Lat: ° ' " Long: ° ' "                            |
|                  | Gear: (meiodredge) grab box-corer corer other     |
|                  | Zone-1: subtidal intertidal Horiz (cm):           |
|                  | Zone-2: marine (estuarine) Depth (m): 10          |
|                  | S (ppt): T (C): Fix: formalin alcohol             |
|                  | Proc: (bubble) (decant) fw-shock narc unprocessed |
|                  | Lots: 1 -30 ml Pres: ethglycol formalin alcohol   |
|                  | 60 ml Pres: ethglycol (formalin) alcohol          |
|                  | -1-vial(s) Pres: ethglycol (formalin) alcohol     |
|                  | Col: R. Higgins and/or F. Rurdes, J. Benite       |
|                  | Date: 29   AUG- 1990 1                            |
|                  | Hab-1: (sediment) animal plant SPAIN exclusion    |
|                  | Hab-2: BRN MVD                                    |
|                  |   |
|                  | Ackn: 2 students (vamination) (haspear)           |
|                  | L. Herrera, S. Parra for collecting               |
|                  | Rmks: Santandin émbres enly: G. Carcia            |
|                  | Rmks: Museo maritimo de Cantabrico.               |
| Marine Marie     | addisos as Azrolos & Benito Santander Spain       |
| when to Ply Cham | - Sancord Special Special Special Special         |
|                  | Livo  |

|     | Sta No: 900829.4 Logged [/]                   |
|-----|---|
|     | RH No: 2713 Acc No: 391429                    |
|     |   |
|     | ANW ANE ASW ASE INW INE ISW ISC ISE           |
|     | MED PNW PNE PSW PSE                           |
|     | Loc-0: ATLANTIC OCEAN, Bay of Buscay          |
|     | Loc-1: Sparm                                  |
|     | Loc-2: Santander Province                     |
|     | Loc-3: Bahue de Santander                     |
|     | Loc-4: SANTANTER (Epod area Astillera)        |
|     |   |
|     | Lat:o' " Long:o' "                            |
|     | Gear: meiodredge grab box-corer corer other   |
|     | Zone-1: subtidal intertidal Horiz (cm):       |
|     | Zone-2: marine estuarine Depth (m):           |
|     | S (ppt): T (C): Fix: formalin alcohol         |
|     | Proc: bubble decant sw-shock narc unprocessed |
|     | Lots:30 ml Pres: ethglycol formalin alcohol   |
|     | 60 ml Pres: ethglycol formalin alcohol        |
|     | vial(s) Pres: ethglycol formalin alcohol      |
|     | Col: R. Higgins and/or                        |
|     | Date: 29   AUG-   19 90                       |
|     | Hab-1: sediment animal plant                  |
|     | Hab-2: MEDIUM SAME W/ SILT + MVD              |
|     |   |
|     | Ackn:   |
|     |   |
| At- |   |
|     | Rmks: Pycnophyes (~5 in 11)                   |
|     | A.  |
|     |   |
|     |   |
|     |   |

| ANW ANE ASW ASE INW INE ISW ISC IS   |
|--|
| MED PNW PNE PSW PSE  |
| Loc-0: ATCANTIC COLAN  |
| Loc-1: Spain   |
| Loc-2: Santander Prouve  |
| Loc-3: Santonia, T   |
| Loc-4: SANTONA BAY   |
|  |
| Lat: o ' " Long: o '   |
| Gear: meiodredge grab box-corer corer other  |
| Zone-1: subtidal intertidal Horiz (cm):  |
| Zone-2: marine estuarine Depth (m): 2  |
| S (ppt): T (C): Fix: formalin alcoho   |
| Proc: bubble decant fw-shock narc unprocessed  |
| Lots:30 ml Pres: ethglycol formalin alcohol  |
| 60 ml Pres: ethglycol formalin alcohol   |
| There is a second of   |
| Section 1 2 to 1   |
| Section 2 to the section of the sect |
| vial(s) Pres: ethglycol formalin alcohol   |
| vial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or  |
|  |
| vial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or  Date: 30   A UG   19 90  Hab-1: sediment animal plant   |
| vial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or  Date: 30   A UG   19 90  Hab-1: sediment animal plant   |
|  |
|  |
|  |

| Sta No: 900830.4 Logged [J]  |
|--|
| RH No: 2716 Acc No: 391429   |
|  |
| ANW ANE ASW ASE INW INE ISW ISC ISE  |
| MED PNW PNE PSW PSE  |
| Loc-0: N. ATLANTIC OCEAN Bay & BISTON  |
| Loc-1: Spain   |
| Loc-2: <u>Santander Prounce</u>  |
| Loc-4: SANTONA BAY   |
| 2  |
| Spartina Marsh   |
| Lat: " Long: " "   |
| Gear: meiodredge grab box-corer corer other                                    |
| Zone-1: subtidal intertidal Horiz (cm):  |
| Zone-2: marine estuarine Depth (m):  |
| S (ppt): T (C): Fix: formalin alcohol  |
| Proc: bubble decant fw-shock narc unprocessed                                  |
| Lots:30 ml Pres: ethglycol formalin alcohol                                    |
| 60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol |
| Col: R. Higgins and/or   |
| Date: 30   AUG-   19   |
| Hab-1: sediment animal plant   |
| Hab-2: much w/ plant detribus  |
|  |
| Ackn:  |
|  |
|  |
| Rmks:  |
|  |
|  |
|  |
|  |

|   | Sta No: 900831./_ Logged [/]                    |
|---|---|
|   | RH No: 2717 Acc No: 391429                      |
| 0 | ANW ANE ASW ASE INW INE ISW ISC ISE             |
|   | MED PNW PNE PSW PSE                             |
|   | LOC-0: N. ATRANTIC OCEAN, Bay & BUSCOU          |
|   | Loc-1: <u>30am</u>                              |
|   | Loc-2: Santander Pround                         |
|   | Loc-3: Spans Bahra de Santander                 |
|   | Loc-4: SANTROPER                                |
|   | near terns dock on E shore                      |
|   | Lat: ° ' " Long: ° ' "                          |
|   | Gear: meiodredge grab box-corer corer other     |
|   | Zone-1: subtidal intertidal Horiz (cm):         |
|   | Zone-2: marine estuarine Depth (m): 5           |
|   | S (ppt): T (C): Fix: formalin alcohol           |
|   | Proc: bubble decant fw-shock narc unprocessed   |
|   | Lots: 1 -30 ml Pres: ethglycol formalin alcohol |
|   | -60 ml Pres: ethglycol formalin alcohol         |
|   | vial(s) Pres: ethglycol formalin alcohol        |
|   | Col: R. Higgins and/or                          |
|   | Date: 31   AUG-   1990                          |
|   | Hab-1: sediment animal plant                    |
|   | Hab-2: silty sand                               |
|   |   |
|   | Ackn:   |
|   |   |
|   |   |
|   | Rmks: Echarden jus + and                        |
|   | Kensthynchus jus                                |
|   | Py amplyes 7 spm s                              |
|   |   |

|   | Sta No: 900903.1 Logged [/]                              |
|---|--|
|   | RH No: 2718 Acc No: 391429                               |
| • | ANW ANE ASW ASE INW INE ISW ISC ISE  MED PNW PNE PSW PSE |
|   | Loc-0: N ATL OCEAN                                       |
|   | Loc-1: Joan  |
|   | Loc-2: Pontevedra Prounce                                |
|   | Loc-3: 5000 VIGO   |
|   | Loc-4:Vi&O   |
|   | about 2 Kin from open see along Nislan                   |
|   | Lat: ° ' " Long: ° ' "                                   |
|   | Gear: meiodredge grab box-corer corer other              |
|   | Zone-1: subtidal intertidal Horiz (cm):                  |
|   | Zone-2: marine estuarine Depth (m): 10                   |
|   | S (ppt): T (C): Fix: formalin alcohol                    |
|   | Proc: bubble decant fw-shock narc unprocessed            |
|   | Lots:30 ml Pres: ethglycol formalin alcohol              |
|   |  |
|   | vial(s) Pres: ethglycol formalin alcohol                 |
|   | Col: R. Higgins and for F. Pardos, J. Benito             |
|   | Date: 08   3 E P   19 40                                 |
|   | Hab-1: sediment animal plant                             |
|   | Hab-2: shell-gravel                                      |
|   |  |
|   | Ackn: J. Parpar.  Ce. Besteire                           |
|   | Ce. Besterro   |
|   |  |
|   | Rmks:  |
|   |  |
|   |  |
|   |  |

| ANW      | ANE ASW ASE INW INE ISW ISC ISE<br>MED PNW PNE PSW PSE |
|----------|--|
| Loc-0:   | N ATL OCEAN  |
|          | Spain  |
|          | Pontevelra Province                                    |
| Loc-3:   | *  |
| Loc-4:   |  |
| 1        | KMN of bridge along N shore                            |
|          | o ' Long:  |
| Gear: (  | meiodredge grab box-corer corer other                  |
| Zone-1:  | subtidal intertidal Horiz (cm):                        |
| Zone-2   | marine estuarine Depth (m):                            |
| S (ppt): | T (C): Fix: formalin alcohol                           |
| Proc:    | bubble decant fw-shock narc unprocessed                |
| Lots:    | -30 ml Pres: ethglycol formalin alcohol                |
|          | -60 ml Pres: ethglycol formalin alcohol                |
| _        | -vial(s) Pres: ethglycol formalin alcohol              |
| Col: R.  | Higgins and/or F. Pardos, J. Benito                    |
| Date: _  | 0415EP 1990  |
|          | sediment animal plant                                  |
| Hab-2:   | black much in seagness bill                            |
|          |  |
| Ackn:    |  |
|          |  |
|          |  |
| Rmks:    | Echnodus (many)  |
|          | Kinochynchus? I span                                   |

|            | MED PNW PNE PSW PSE                        |
|------------|--|
|            | NATLOCEAN                                  |
|            | Spain                                      |
|            | Pontevedra Processie                       |
| Loc-3:     | SPANI VIGO                                 |
| Loc-4:     |  |
| a.         | near Wob-bridge along s sture              |
| Lat:       | ° " Long:                                  |
| Gear:      | meiodredge grab box-corer corer other      |
| Zone-1:    | subtidal intertidal Horiz (cm):            |
| Zone-2:    | marine estuarine Depth (m): 4-8            |
| S (ppt):   | T (C): Fix: formalin alcoho                |
| Proc:      | bubble decant fw-shock narc unprocessed    |
| Lots: _    | -30 ml Pres: ethglycol formalin alcoho     |
| - Wilmonia | 1 -60 ml Pres: ethglycol formalin alcoho   |
|            | 1 -vial(s) Pres: ethglycol formalin alcoho |
| Col: R.    | Higgins and/or See                         |
| Date:      | 04 SEP 1990                                |
| Hab-1:     | sediment animal plant                      |
| Hab-2:     | black und w/ sand + stell                  |
|            |  |
| Ackn:      |  |
|            |  |
|            |  |

n î

|         | ANW ANE ASW ASE INW INE ISW ISC ISE            |
|---------|--|
|         | MED PNW PNE PSW PSE                            |
|         | Loc-0: NATI OCEANS                             |
| 25 pt 1 | Loc-1: <u>Portugul</u>                         |
|         | Loc-2: <u>BERTHEAL</u> Seterbal district       |
|         | Loc-3: A SETUBAL Marateca de Setrebal          |
|         | Loc-4: Esteire Marateca                        |
|         |  |
|         | Lat: 38030 '60 "NLong: 8080 45' 00 "E          |
|         | Gear: meiodredge grab box-corer corer other    |
|         | Zone-1: subtidal intertidal Horiz (cm):        |
| _       | Zone-2: marine (estuarine) Depth (m):          |
|         | S (ppt): T (C): Fix: formalin alcohol          |
|         | Proc: bubble decant fw-shock narc unprocessed  |
|         | Lots: _/30 ml Pres: ethglycol formalin alcohol |
|         |  |
|         | vial(s) Pres: ethglycol formalin alcohol       |
|         | Col: R. Higgins and/or Pardos, Benits          |
|         | Date:     19                                   |
|         | Hab-1: sediment animal plant                   |
| -2-     | Hab-2: mudely sand                             |
|         |  |
|         | Ackn: C. Rosado                                |
|         |  |
|         |  |
|         | Rmks: Echundus Pyringles                       |
|         |  |
|         |  |
|         |  |
|         |  |

Sta No: 900907.3

Logged []

| Sta No: 900907.5 Logged [/]                   |
|---|
| RH No: 2722 Acc No: 39/129                    |
| ANW ANE ASW ASE INW INE ISW ISC ISE           |
| MED PNW PNE PSW PSE                           |
| Loc-0: NATL OCEANS                            |
| Loc-1: Portugel                               |
| Loc-2: Partie AL Satural promoter             |
| Loc-3: SETUBAL,                               |
| Loc-4: Estério Marateca                       |
|   |
| Lat: 38 ° 31 ' 10 N Long: 008 ° 46 '00 "E     |
| Gear: meiodredge grab box-corer corer other   |
| Zone-1: subtidal intertidal Horiz (cm):       |
| Zone-2: marine estuarine Depth (m):           |
| S (ppt): T (C): Fix: formalin alcohol         |
| Proc: bubble decant fw-shock narc unprocessed |
| Lots:30 ml Pres: ethglycol formalin alcohol   |
| 60 ml Pres: ethglycol formalin alcohol        |
| vial(s) Pres: ethglycol formalin alcohol      |
| Col: R. Higgins and/or                        |
| Date:     19                                  |
| Hab-1: sediment animal plant                  |
| Hab-2: Ann aid fame                           |
|   |
| Ackn:   |
|   |
|   |
| Rmks:   |
|   |
|   |
|   |
|   |

| Sta No: 900907.6 Logged [1]                              |
|--|
| RH No: 2723 Acc No: 391424                               |
| ANW ANE ASW ASE INW INE ISW ISC ISE  MED PNW PNE PSW PSE |
| Loc-O: NATE OCEAN  |
| Loc-1: Portergal   |
| Loc-3: SETUBAL, 5  |
| Loc-4: Esteiro Marateca near Monte do                    |
| Printieiro lui chamiel leading to villege)               |
| Lat: 38 ° 2 7 ' 58 "N Long: 008 ° 44 '00 "N              |
| Gear: meiodredge grab box-corer corer other              |
| Zone-1: subtidal intertidal Horiz (cm):                  |
| Zone-2: marine estuarine Depth (m):                      |
| S (ppt): T (C): Fix: formalin alcohol                    |
| Proc: bubble decant fw-shock narc unprocessed            |
| Lots: 1 -30 ml Pres: ethglycol formalin alcohol          |
| 60 ml Pres: ethglycol formalin alcohol                   |
| vial(s) Pres: ethglycol formalin alcohol                 |
| Col: R. Higgins and/or                                   |
| Date:   19   |
| Hab-1: sediment animal plant                             |
| Hab-2: grey muse   |
| Ackn:  |
| Rmks: 2 spris Echandres (nam?) 2 spris                   |
| Bakillipes sp.   |

| Sta No: 900908. 2 Logged [1]                             |
|--|
| RH No: 2724 Acc No: 391429                               |
| ANW ANE ASW ASE INW INE ISW ISC ISE  MED PNW PNE PSW PSE |
| Loc-0: NATE OCEAN  |
| Loc-1: Pottryal  |
| Loc-2: Personal Setubrel district                        |
| Loc-3: SEEFAL COSTA CAPARICA, I                          |
| Loc-4: PRIA PO COSTELO                                   |
| (Black even S. of Lisbon)                                |
| Lat: 38° "NLong: 009° "= "5                              |
| Gear: meiodredge grab box-corer corer other              |
| Zone-1: subtidal intertidal Horiz (cm): 30-40            |
| Zone-2: marine estuarine Depth (m):                      |
| S (ppt): T (C): Fix: formalin alcohol                    |
| Proc: bubble decant fw-shock narc unprocessed            |
| Lots:30 ml Pres: ethglycol formalin alcohol              |
| 1-60 ml Pres: ethglycol formalin alcohol                 |
| <br>vial(s) Pres: ethglycol formalin alcohol             |
| Col: R. Higgins and/or 500 1                             |
| Date: 08   SEP   1990                                    |
| Hab-1: sediment animal plant                             |
| Hab-2: med sand (peronly sorted)                         |
|  |
| Ackn:  |
|  |
|  |
| Rmks: contanis invistacecariles                          |
| sample taken at the tide high tide varye                 |
|  |
|  |

| Sta No: 28 - VIII-90-2 Logged [1]                 |
|---|
| RH No: 2731 Acc No: 372598                        |
|   |
| ANW ANE ASW ASE INW INE ISW ISC ISE               |
| MED PNW PNE PSW PSE                               |
| Loc-0: Northallantice O.                          |
| Loc-1: Canacy Talands                             |
| Loc-2: Canary Islands                             |
| Loc-3: tenerile                                   |
| Loc-4: W. coast, N. of San Juan                   |
| Steep Rock slope                                  |
| Lat: 28 ° 10 ' 48 "NLong: 016 ° 50' 24 "W         |
| Gear: meiodredge grab box-corer corer other 2'    |
| Zone-1: subtidal intertidal Horiz (cm):           |
| Zone-2: marine estuarine Depth (m): 138           |
| S (ppt): T (C): Fix: formalin alcohol             |
| Proc: bubble decant fw-shock narc unprocessed     |
| Lots:30 ml Pres: ethglycol formalin alcohol       |
| 60 ml Pres: ethglycol formalin alcohol            |
| vial(s) Pres: ethglycol formalin alcohol          |
| Col: R. Higgins and/or S. Reed                    |
| Date: 28   AUG   1990                             |
| Hab-1: sediment animal plant                      |
| Hab-2: Volcanic Rock, BAN sand, Shell             |
|   |
|   |
| Ackn: Herbon Branch Deear Inst.                   |
| Epstern. Attantic Expedition                      |
| Egstern. Attantic Expedition                      |
| Ekstern. Attantic Expedition  Rmks: Plu Sea Diver |
| Egstern. Attantic Expedition                      |
| Egstern. Attantic Expedition                      |

-

| Sta No: 26-VIII-903 Logged [1]                |
|---|
| RH No: 2732 Acc No: 392598                    |
|   |
| ANW ANE ASW ASE INW INE ISW ISC ISE           |
| MED PNW PNE PSW PSE                           |
| Loc-0: //// .                                 |
| Loc-1: Canary Islands                         |
| Loc-2: <u>Cavary</u> Islands                  |
| Loc-3: Tenerfe                                |
| Loc-4: Sand slope, W. coast JN.               |
| 2 San Juan                                    |
| Lat: 28° ) D' 48" Long: 0 (6° 44'00" W        |
| Gear: meiodredge grab box-corer corer other   |
| Zone-1: subtidal intertidal Horiz (cm):       |
| Zone-2: marine estuarine Depth (m): 40        |
| S (ppt): T (C): Fix: formalin alcohol         |
| Proc: bubble decant fw-shock narc unprocessed |
| Lots:/30 ml Pres: ethglycol formalin alcohol  |
| 60 ml Pres: ethglycol formalin alcohol        |
| vial(s) Pres: ethglycol formalin alcohol      |
| Col: R. Higgins and/or S Reed                 |
| Date: 28   AUG   1990                         |
| Hab-1: sediment animal plant                  |
| Hab-2: BPN coarse & fine som?                 |
|   |
| Ackn:   |
|   |
|   |
| Rmks:   |
|   |
|   |
|   |

| Sta No: 1/- 1x - 90 - 7-/ Logged [4]   |
|--|
| RH No: 2733 Acc No: 392598   |
|  |
| ANW ANE ASW ASE INW INE ISW ISC ISE  |
| MED PNW PNE PSW PSE  |
| Loc-0: North attainté Décar  |
| Loc-1: Cape Verde  |
| Loc-2:   |
| Loc-3: Sao Vicente   |
| Loc-4: 10.0008+,014 PA., 1 NMI   |
| N. of Anta Machado   |
| Lat: 16°51'07'N Long: 025°05'30"u  |
| Gear: meiodredge grab box-corer corer other  |
| Zone-1: subtidal intertidal Horiz (cm):  |
| Zone-2: marine estuarine Depth (m): 50   |
| S (ppt): T (C): Fix: formalin alcohol  |
|  |
| Proc: bubble decant fw-shock narc unprocessed  |
| Proc: bubble decant fw-shock narc unprocessed  Lots:30 ml Pres: ethglycol formalin alcohol   |
|  |
| Lots:30 ml Pres: ethglycol formalin alcohol  |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcohol  |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R_Higgins and/or  |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R_Higgins and/or  |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or |
| Lots:  |
| Lots:30 ml Pres: ethglycol formalin alcohol60 ml Pres: ethglycol formalin alcoholvial(s) Pres: ethglycol formalin alcohol Col: R. Higgins and/or |
| Lots:  |
| Lots:  |
| Lots:  |

|  | Sta No: Logged [                              |
|--|---|
|  | RH No: 2734 Acc No: 385.05.                   |
|  | ANW ANE ASW ASE INW INE ISW ISC IS            |
|  | MED PNW PNE PSW PSE                           |
|  | Loc-0:  |
|  | Loc-1: Broyl Loc-2: Ric du Janeiro            |
|  |   |
|  | Loc-3: Rio de Janeiro, Proia Vermelho         |
|  | Loc-4:  |
|  | Lat: ° ' " Long: ° '                          |
|  | Gear: meiodredge grab box-corer corer other   |
|  | Zone-1: subtidal intertidal Horiz (cm):       |
|  | Zone-2: marine estuarine Depth (m):           |
|  | S (ppt): T (C): Fix: formalin alcoho          |
| الان   | Proc: bubble decant fw-shock narc unprocessed |
| A CONTRACTOR OF THE PARTY OF TH | Lots:30 ml Pres: ethglycol formalin alcohol   |
| 2  | 60 ml Pres: ethglycol formalin alcohol        |
| ياق  | vial(s) Pres: ethglycol formalin alcohol      |
|  | Col: R. Higgins and/or V. M. A.P. da Silva    |
|  | Date: 10 Jul 19 84                            |
|  | Hab-1: sediment animal plant                  |
|  | Hab-2:  |
|  | Ackn: P. G-rohmann, J. Reid                   |
|  |   |
|  | Rmks: speciments collected continueco         |
|  |   |
|  | various dates between duri                    |

| Sta No: 9/04/0.1 Logged [4]                   |
|---|
| RH No: 2735 Acc No: 394147                    |
|   |
| ANW ANE ASW ASE INW INE ISW ISC ISE           |
| MED PNW PNE PSW PSE                           |
| Loc-0: NAO, Waternaneau Sea                   |
| Loc-1: France                                 |
| Loc-2:  |
| Loc-3: Banya sur man                          |
| Loc-4: ~ 20 lan E el Bernando                 |
| - France                                      |
| Lat: 42° 38' 20 NLong: 003° 20' 35" N         |
| Gear: meiodredge grab box-corer corer other   |
| Zone-1: subtidal intertidal Horiz (cm):       |
| Zone-2: marine estuarine Depth (m): 95        |
| S (ppt): T (C): Fix: formalin alcohol         |
| Proc: bubble decant fw-shock narc unprocessed |
| Lots:30 ml Pres: ethglycol formalin alcohol   |
| 60 ml Pres: ethglycol formalin alcohol        |
| vial(s) Pres: ethglycol formalin alcohol      |
| Col: R. Higgins and/or V. Stach               |
| Date: 10   APR   199)                         |
| Hab-1: sediment animal plant                  |
| Hab-2:  |
|   |
| Ackn:   |
|   |
|   |
| Rmks:   |
|   |
|   |

| Sta No: 910410.2 Logged [/]                   |
|---|
| RH No: 2736 Acc No: 394147                    |
|   |
| ANW ANE ASW ASE INW INE ISW ISC ISE           |
| MED PNW PNE PSW PSE                           |
| Loc-0: NAO, Meditesnanca Sea                  |
| Loc-1: France                                 |
| Loc-2:  |
| Loc-3: Banguls Sur Mar, Outly & Low           |
| Loc-4: ~ 25 km E of Earquets                  |
|   |
| Lat: 42°37'45 W Long: 003°28'45"W             |
| Gear: meiodredge grab box-corer corer other   |
| Zone-1: subtidal intertidal Horiz (cm):       |
| Zone-2: marine estuarine Depth (m): 105       |
| S (ppt): T (C): Fix: formalin alcohol         |
| Proc: bubble decant fw-shock narc unprocessed |
| Lots:30 ml Pres: ethglycol formalin alcohol   |
| 60 ml Pres: ethglycol formalin alcohol        |
| vial(s) Pres: ethglycol formalin alcohol      |
| Col: R. Higgins and/or                        |
| Date:   19                                    |
| Hab-1: sediment animal plant                  |
| Hab-2:  |
|   |
| Ackn:   |
|   |
|   |
| Rmks:   |
|   |
|   |
|   |

9/04/0.3

~3m' E

2 - 60 ml

910411.1

Hurber in Front of Lateratone Alago

~ 0.5 M

Cysio (1)

coll: R. PH+VS

| Sta No: 9 1 0 4 1 0 .3 Logged [ ]             |
|---|
| RH No: 2737 Acc No: 39414                     |
|   |
| ANW ANE ASW ASE INW INE ISW ISC ISE           |
| MED PNW PNE PSW PSE                           |
| Loc-0: NAO, Marieragneon Sea                  |
| Loc-1: FRAMICE                                |
| Loc-2:  |
| Loc-3: Banqua sur Mer july 1 hor              |
| Loc-4: N3mi E of Banyals, France              |
|   |
| Lat: _ ° _ ' _ " Long: ° _ ' _ "              |
| Gear: meiodredge grab box-corer corer other   |
| Zone-1: subtidal intertidal Horiz (cm):       |
| Zone-2: marine estuarine Depth (m):           |
| S (ppt): T (C): Fix: formalin alcohol         |
| Proc: bubble decant fw-shock narc unprocessed |
| Lots:30 ml Pres: ethglycol formalin alcohol   |
| 2-60 ml Pres: ethglycol formalin alcohol      |
| vial(s) Pres: ethglycol formalin alcohol      |
| Col: R. Higgins and/or                        |
| Date: / 0   A C R   19 9 /                    |
| Hab-1: sediment animal plant                  |
| Hab-2: Coarse sand w/amphropus                |
|   |
| Ackn:   |
|   |
|   |
| Rmks:   |
|   |
|   |
|   |

| Sta No: 9 1 0 4 0 8 . 1 Logged [ ]  RH No: 2 7 3 4 Acc No: 3 9 4 1 4 7 |
|--|
| ANW ANE ASW ASE INW INE ISW ISC ISE  MED PNW PNE PSW PSE               |
| Loc-0: North Whante Clean Med. Sea                                     |
| Loc-1: France  |
| Loc-2: 6-016 7 /101  |
| Loc-3: Daniels sun mon   |
| Loc-4: _ ~ 5 den E of Banquis France                                   |
|  |
| Lat: 42°30'00 N Long: 003° 12' 30 W                                    |
| Gear: meiodredge grab box-corer corer other                            |
| Zone-1: subtidat intertidal Horiz (cm):                                |
| Zone-2: marine estuarine Depth (m):                                    |
| S (ppt): T (C): Fix: formalin alcohol                                  |
| Proc: bubble decant sw-shock narc unprocessed                          |
| Lots:30 ml Pres: ethglycol formalin alcohol                            |
| 60 ml Pres: ethglycol formalin alcohol                                 |
| vial(s) Pres: ethglycol formalin alcohol                               |
| Col: R. Higgins and V. Stare V.  |
| Date: 10   APR   1941  |
| Hab-1: sediment animal plant   |
| Hab-2: Muddy Sand  |
| Ackn: Lalura lour Augs, Banques eur mus<br>Flance                      |
| Rmks:  |
|  |
|  |